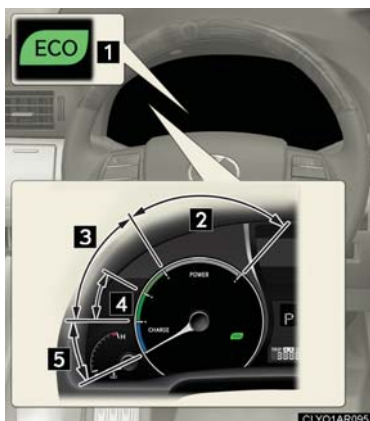
Hybrid System

Your vehicle is a hybrid vehicle. It has characteristics different from conventional vehicles. Be sure you are closely familiar with the characteristics of your vehicles, and operate with care.
The hybrid system combines a gasoline engine and an electric motor (traction motor) according to driving conditions, improving fuel efficiency and reducing exhaust emissions.
For details, refer to the “Owner's Manual”.

Hybrid System Indicator

1 Eco Driving Indicator Light
During Eco-friendly acceleration (Eco driving), Eco Driving Indicator Light will turn on.
Eco Driving Indicator Light will not operate in the following conditions:
- The shift lever is in anything other than D.
- The driving mode is set to snow mode or EV drive mode.
- The vehicle speed is approximately 80 mph (130 km/h) or higher.

2 Power area
Shows that an Eco-friendly driving range is being exceeded (during full power driving etc.)

3 Eco area
Shows that the vehicle is being driven in an Eco-friendly manner.

4 Hybrid Eco area
Shows that gasoline engine power is not being used very often.

The gasoline engine will automatically stop and restart under various conditions.

5 Charge area
Shows that energy is being recovered via regenerative braking.

Regenerative braking

The motor generator converts kinetic energy to electric energy when:

- The accelerator pedal is released.
- The brake pedal is depressed with the shift lever in D or S.

Sounds and vibrations specific to a hybrid vehicle

There may be no engine sounds or vibrations even though the vehicle is able to move. Always put the shift lever in P when parked.

The following sounds or vibrations may occur when the hybrid system is operating, and are not a malfunction:

- Motor sounds may be heard from the engine compartment.
- Sounds may be heard from the hybrid battery (traction battery) under the rear seat when the hybrid system starts or stops.
- Sounds from the hybrid system may be heard when the back door is open.
- Sounds may be heard from the hybrid transmission when the engine is started or stopped, or while the engine is idling.
- Engine sounds may be heard when accelerating sharply.
- Sounds may be heard due to regenerative braking when the brake pedal is depressed and accelerator is loosened.
- Vibrations may be felt when the gasoline engine starts or stops.
- Cooling fan sounds may be heard from the air intake vents under the rear seat.

Energy Monitor / Consumption Screens

You can view the status of your hybrid system on the multi-information display and the Navigation system screen.

Energy monitor

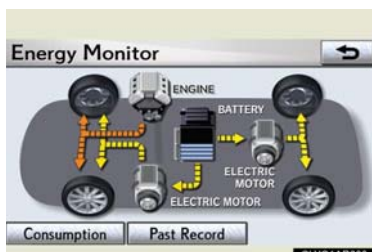
The energy monitor can be displayed on both the Navigation system screen and the multi-information display.

- How to display on the Navigation system screen (→P.32):

  Press the "MENU" button on the Remote Touch, and select

 after that select

.

  If the Consumption or Past Record screen is displayed, select the Energy and push the "ENTER" button.
- How to display on the multi-information display:
  Toggle the "ENTER" switch on the steering wheel upward or downward through several items to select the energy monitor display.

- The flow of energy is displayed on the Navigation system screen. (The rear electric motor is equipped AWD models only.)
  Amber: gasoline energy
  Yellow: electrical energy
  Green: energy recovery
  A green arrow appears when regenerative braking occurs.
- The flow of energy is indicated by the movement of the arrows on the multi-information display.
- The battery display acts as an 9-step indicator of the hybrid battery level.

The displayed energy flow, battery level, etc. will change in response to the current driving conditions.

Consumption (with navigation system)

Press the “MENU” button on the Remote Touch and select

, after that select

and push the “ENTER” button.

If the Consumption screen does not appear, select the Consumption and push the “ENTER” button.

1 Fuel consumption in the past 30 minutes

2 Regenerated energy in the past 30 minutes One symbol indicates 50 Wh. Up to 4 symbols are shown.

3 Cruising range

Past record (with navigation system)

Press the “MENU” button on the Remote Touch and select

, after that select

and push the “ENTER” button.

If the Past Record screen does not appear, select the Past Record and push the “ENTER” button.

1 Best past fuel consumption

2 Average fuel consumption

Hybrid warning message

A message is automatically shown when a malfunction occurs in the hybrid system or an improper operation is attempted.

If a warning message is shown on the multi-information display, read the message and follow the instructions.